APPENDIX C: TIPPECANOE COUNTY RELEVANT ITS STANDARDS BY FLOW

ITS standards establish a common way in which devices connect and communicate with one another. This allows transportation agencies to implement systems that cost-effectively exchange pertinent data and accommodate equipment replacement, system upgrades, and system expansion. Standards benefit the traveling public by providing products that will function consistently and reliably throughout the area. ITS standards contribute to a safer and more efficient transportation system, facilitate regional interoperability, and promote an innovative and competitive market for transportation products and services.

The following table identifies the ITS standards that are potentially applicable to Tippecanoe County. This table was created by taking the standards information available from the National ITS Architecture v5.1 via the Turbo Architecture v3.1.8 database (which identifies standards applicable to each architecture flow).

The following Standards Development Organizations (SDO) participate in ITS standards:

- AASHTO (American Association of State Highway and Transportation Officials)
- ANSI (American National Standards Institute)
- APTA (American Public Transportation Organization)
- ASTM (American Society for Testing and Materials)
- IEEE (Institute of Electrical and Electronics Engineers)
- ITE (Institute of Transportation Engineers)
- NEMA (National Electrical Manufacturers Association)
- SAE (Society of Automotive Engineers)

It is also important to note that ITS standards have not been defined for all flows in the National ITS Architecture. The following table lists the name of the standard in the first column and the SDO and the number of the standard in the second column. Regular updates of the SDO activities will help ensure that the latest standards are utilized.

The following information provides only the standards associated with <u>existing and planned</u> flows in the Tippecanoe County Regional ITS Architecture as identified by Turbo Architecture v3.1.8 (SDOMAP v5.1.1).

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Standards for Tippecanoe County Regional Architecture



NOTE: The ITS standards presented in this report may represent a superset of options, and in some cases, provide redundant capabilities. In addition, these ITS standards are at different maturity levels. Care should be taken to select the standards that best meet the needs of the region or project.

	Lead SDO	Standard Name			Document ID
low:	alarm notification				
	Source: CityBus - Transit Vehicles		Destination:	CityBus - Operations Center and Dispatch	
	APTA	Standard for Transit			APTA TCIP-S-001 3.0.0
low:	alert notification coordination				
5	Source: CityBus - Operations Center and D	Dispatch	Destination:	Lafayette - Public Safety and Emergency Mana	gement
	AASHTO/ITE/NEMA	NTCIP Center-to-Cen	nter Standards	Group	(See Footnote)
5	Source: CityBus - Operations Center and D	Dispatch	Destination:	Purdue - Public Safety and Emergency Manage	ement
	AASHTO/ITE/NEMA	NTCIP Center-to-Cen	nter Standards	Group	(See Footnote)
9	Source:Lafayette - Public Safety and Eme Management	rgency	Destination:	CityBus - Operations Center and Dispatch	
	AASHTO/ITE/NEMA	NTCIP Center-to-Ce	nter Standards	Group	(See Footnote)
5	Source:Lafayette - Public Safety and Eme Management	rgency	Destination:	Purdue - Public Safety and Emergency Manage	ement
	AASHTO/ITE/NEMA	NTCIP Center-to-Ce	nter Standards	Group	(See Footnote)
5	Source:Lafayette - Public Safety and Eme Management	rgency	Destination:	Small Municipality - Public Safety and Emerger Management	псу
	AASHTO/ITE/NEMA	NTCIP Center-to-Ce	nter Standards	Group	(See Footnote)
5	Source:Lafayette - Public Safety and Eme Management	rgency	Destination:	State Police - Public Safety and Emergency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Cen	nter Standards	Group	(See Footnote)
5	Source: Lafayette - Public Safety and Eme Management	rgency	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Cen	nter Standards	Group	(See Footnote)
5	Source:Lafayette - Public Safety and Eme Management	rgency	Destination:	West Lafayette - Public Safety and Emergency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Cen	nter Standards	Group	(See Footnote)
5	Source: Purdue - Public Safety and Emerg Management	ency	Destination:	CityBus - Operations Center and Dispatch	
	AASHTO/ITE/NEMA	NTCIP Center-to-Ce	nter Standards	Group	(See Footnote)
5	Source: Purdue - Public Safety and Emerg Management	ency	Destination:	Lafayette - Public Safety and Emergency Mana	gement
	AASHTO/ITE/NEMA	NTCIP Center-to-Ce	nter Standards	Group	(See Footnote)
5	Source: Purdue - Public Safety and Emerg Management	ency	Destination:	Small Municipality - Public Safety and Emerger Management	псу
	AASHTO/ITE/NEMA	NTCIP Center-to-Ce	nter Standards	Group	(See Footnote)
9	Source: Purdue - Public Safety and Emerg Management	ency	Destination:	State Police - Public Safety and Emergency Management	

Lead SDO	Standard Name			Document ID
Source: Purdue - Public Safety and Emerg Management	ency	Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: Purdue - Public Safety and Emerg Management	ency	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: Purdue - Public Safety and Emerg Management	ency	Destination:	West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: Small Municipality - Public Safety Emergency Management	and	Destination:	Lafayette - Public Safety and Emergency Manage	gement
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: Small Municipality - Public Safety Emergency Management	and	Destination:	Purdue - Public Safety and Emergency Manage	ment
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: Small Municipality - Public Safety Emergency Management	and	Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: Small Municipality - Public Safety Emergency Management	and	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: Small Municipality - Public Safety Emergency Management	and	Destination:	West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: State Police - Public Safety and El Management	mergency	Destination:	Lafayette - Public Safety and Emergency Manage	gement
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: State Police - Public Safety and El Management	mergency	Destination:	Purdue - Public Safety and Emergency Manage	ment
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: State Police - Public Safety and El Management	mergency	Destination:	Small Municipality - Public Safety and Emergen- Management	су
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: State Police - Public Safety and El Management	mergency	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: State Police - Public Safety and El Management	mergency	Destination:	West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	d Emergency	Destination:	Lafayette - Public Safety and Emergency Manag	gement
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	d Emergency	Destination:	Purdue - Public Safety and Emergency Manage	ment
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	d Emergency	Destination:	Small Municipality - Public Safety and Emergen- Management	су
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnote)

Lead SDO	;	Standard Name			Document ID
Source: Tippecanoe Co - Management	Public Safety and E	mergency	Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEM	ı AI	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
Source: Tippecanoe Co - Management	Public Safety and E	mergency	Destination:	West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEM	ı AI	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
Source: West Lafayette - Management	Public Safety and E	mergency	Destination:	Lafayette - Public Safety and Emergency Manag	gement
AASHTO/ITE/NEM	ı AI	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
Source: West Lafayette - Management	Public Safety and E	mergency	Destination:	Purdue - Public Safety and Emergency Manager	ment
AASHTO/ITE/NEM	ı AI	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
Source: West Lafayette - Management	Public Safety and E	mergency	Destination:	Small Municipality - Public Safety and Emergence Management	с у
AASHTO/ITE/NEM	ı AI	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
Source: West Lafayette - Management	Public Safety and E	mergency	Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEM	ı AI	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
Source: West Lafayette - Management	Public Safety and E	mergency	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEM	I AI	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
Flow: alert status					
Source: INDOT - TMC ar	nd TO		Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEM	I AI	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
Source: INDOT - TMC ar				Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEM	IA I	NTCIP Center-to-Cente	er Standards (Group	(See Footnote)
Flow: alerts and advisories	5				
Source: Weather Service				State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEM	ı AI	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
Source: Weather Service				Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEW		NTCIP Center-to-Cente	er Standards (Group	(See Footnote)
Flow: archive analysis req	uests				
Source: APC of Tippecar	noe County		Destination:	State Police - Crash Reports Database	
AASHTO/ITE/NEM	IA I	NTCIP Center-to-Cente	er Standards (Group	(See Footnote)
Flow: archive analysis res	ults				
Source: State Police - Cra	ash Reports Databas	se	Destination:	APC of Tippecanoe County	
AASHTO/ITE/NEM	ı AI	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
Flow: archive request conf	firmation				
Source: State Police - Cra	ash Reports Databas	se	Destination:	APC of Tippecanoe County	
AASHTO/ITE/NEM	I AI	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
Flow: archive requests					
Source: APC of Tippecar	noe County		Destination:	CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEM	ı AI	NTCIP Center-to-Cente	er Standards (Group	(See Footnote)

Lead SDO	Standard Name	Document ID
Source: INDOT - Data Services	Destination: INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - Data Services	Destination: INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for	ITE TMDD 2.1
AASHTO/ITE/NEMA	External TMC Communication (TMDD and MS/ETMCC) NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: Lafayette - Engineering and MCO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: Purdue - Facilities and Grounds	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: State Police - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: Tippecanoe Co - Highway Dept and MCO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: Weather Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: West Lafayette - Street Department (Engr and	MCO)
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: archive status		
Source: APC of Tippecanoe County	Destination: CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - Data Services	Destination: INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - Data Services	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: Lafayette - Engineering and MCO	

Lead SDO	Standard Name	Document ID
Source: Purdue - CATS/Civil Engineering	Destination: Lafayette - Engineering and MCO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: Purdue - Facilities and Grounds	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: Tippecanoe Co - Highway Dept and MCO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: Weather Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	Destination: West Lafayette - Street Department (Engrand	d MCO)
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Crash Reports Databa	Destination: Lafayette - Public Safety and Emergency Mar	nagement
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Crash Reports Databa	se Destination: Purdue - Public Safety and Emergency Mana	gement
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Crash Reports Databa	Destination: Tippecanoe Co - Public Safety and Emergence Management	_{су}
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Crash Reports Databa	Se Destination: West Lafayette - Public Safety and Emergence Management	ey
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: archived data product requests		
Source: APC of Tippecanoe County	Destination: State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: archived data products		
Source: State Police - Crash Reports Databa		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: broadcast traveler information		
Source: CityBus - Operations Center and Di	spatch Destination: Lafayette - Public Safety and Emergency Mar	nagement
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: CityBus - Operations Center and Di	spatch Destination: Purdue - Public Safety and Emergency Mana	gement
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: INDOT - 511 Traveler Information	Destination: INDOT - Roadside Equipment	
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: INDOT - TMC and TO	Destination: INDOT - Roadside Equipment	

Lead SDO	Standard Name	Document ID
Source: INDOT - TMC and TO	Destination: INDOT - Roadside Equipment	
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: care facility status		
Source: Regional Hospitals	Destination: Purdue - Public Safety and Emergency Manage	ment
IEEE	Incident Management Standards Group	(See Footnote)
	· · · · · · · · · · · · · · · · · · ·	(See 1 oothote)
Source: Regional Hospitals	Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: care facility status request		
Source: Purdue - Public Safety and Emerge Management	ency Destination: Regional Hospitals	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	Emergency Destination: Regional Hospitals	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Flow: data collection and monitoring control	ol .	
Source: INDOT - Data Services	Destination: INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
AASHTO/ITE/NEMA	Object Definitions for Data Collection and Monitoring (DCM) Devices	NTCIP 1206
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Source: Purdue - CATS/Civil Engineering	Destination: INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
AASHTO/ITE/NEMA	Object Definitions for Data Collection and Monitoring (DCM) Devices	NTCIP 1206
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Flow: emergency archive data		
Source: Lafayette - Public Safety and Emer Management	gency Destination: State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emerge Management	ency Destination: State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)

Lead SDO	Standard Name			Document ID
Source: Small Municipality - Public Safety an Emergency Management	nd	Destination:	State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Cent	er Standards	Group	(See Footnote)
ASTM	Standard Practice for I Management Systems		upport Archived Data	ASTM E2468-05
IEEE	Incident Management	Standards Gro	oup	(See Footnote)
Source: State Police - Public Safety and Em Management	ergency	Destination:	State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Cent	er Standards	Group	(See Footnote)
ASTM	Standard Practice for Management Systems		upport Archived Data	ASTM E2468-05
IEEE	Incident Management	Standards Gro	oup	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	Emergency	Destination:	State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Cent	er Standards	Group	(See Footnote)
ASTM	Standard Practice for Management Systems		upport Archived Data	ASTM E2468-05
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: West Lafayette - Public Safety and Management	Emergency	Destination:	State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Cent	er Standards	Group	(See Footnote)
ASTM	Standard Practice for Management Systems	Metadata to S	upport Archived Data	ASTM E2468-05
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Flow: emergency routes				
Source: INDOT - TMC and TO		Destination:	Small Municipality - Public Safety and Emergen- Management	су
AASHTO/ITE/NEMA	NTCIP Center-to-Cent	er Standards	-	(See Footnote)
Flow: emergency transit schedule information	on			
Source: CityBus - Operations Center and Di	enatch	Destination:	Lafayette - Public Safety and Emergency Manag	rement
AASHTO/ITE/NEMA	NTCIP Center-to-Cent			(See Footnote)
			·	,
Source: CityBus - Operations Center and Di AASHTO/ITE/NEMA	NTCIP Center-to-Cent		Purdue - Public Safety and Emergency Manage	(See Footnote)
	NTCIP Center-to-Cent	er Standards (Group	(See Foothole)
Flow: evacuation coordination				
Source: CityBus - Operations Center and Di	spatch	Destination:	Lafayette - Public Safety and Emergency Manag	gement
AASHTO/ITE/NEMA	NTCIP Center-to-Cent	er Standards	Group	(See Footnote)
Source: CityBus - Operations Center and Di	spatch	Destination:	Purdue - Public Safety and Emergency Manage	ment
AASHTO/ITE/NEMA	NTCIP Center-to-Cent	er Standards (Group	(See Footnote)
Source: Lafayette - Public Safety and Emero Management	gency	Destination:	CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Cent	er Standards	Group	(See Footnote)
Source: Lafayette - Public Safety and Emero	gency	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cent	er Standards	Group	(See Footnote)
Source: Purdue - Public Safety and Emerge Management	ncy	Destination:	CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Cent	er Standards	Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	Emergency	Destination:	Lafayette - Public Safety and Emergency Manag	gement
Management AASHTO/ITE/NEMA Source: Lafayette - Public Safety and Emerg Management AASHTO/ITE/NEMA Source: Purdue - Public Safety and Emerge Management AASHTO/ITE/NEMA Source: Tippecanoe Co - Public Safety and	NTCIP Center-to-Cent gency NTCIP Center-to-Cent ncy NTCIP Center-to-Cent	er Standards (Destination: er Standards (Destination: er Standards (Group Tippecanoe Co - Public Safety and Emergency Management Group CityBus - Operations Center and Dispatch Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Source: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: Lafayette - Public Safety and Emergency Destination: INDOT - TMC and TO Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: Lafayette - Public Safety and Emergency Destination: Tippecanoe Co - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: Purplic Safety and Emergency Destination: CityBus - Operations Center and Dispatch Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: Purplic Safety and Emergency Destination: INDOT - TMC and TO Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: Standards Municipality - Public Safety and Emergency Destination: INDOT - TMC and TO Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: Standards Police - Public Safety and Emergency Destination: INDOT - TMC and TO Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: Standards Police - Public Safety and Emergency Destination: INDOT - TMC and TO Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: Standards Police - Public Safety and Emergency Destination: INDOT - TMC and TO Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: Tippecanoe Co - Public Safety and Emergency Destination: INDOT - TMC and TO Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: Tippecanoe Co - Public Safety and Emergency Destination: INDOT - TMC and TO Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: CityBus - Operations Center and Dispatch Destination: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: CityBus - Operations Center and Dispa	Lead SDO	Standard Name			Document ID
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Source: Tippecanoe Co - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: Tippecanoe Co - Public Safety and Emergency Destination: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: West Lafayette - Public Safety and Emergency Destination: INDOT - TMC and TO Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: CityBus - Operations Center and Dispatch Destination: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: CityBus - Operations Center and Dispatch Destination: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) SAE Advanced Traveler Information Systems (ATIS) General Use (See Footnote) Source: CityBus - Operations Center and Dispatch Destination: CityBus - Transit Vehicles APTA Standard for Transit Communications Interface Profiles APTA TCIP-S-00 3.0.0 Source: INDOT - TMC and TO Destination: West Lafayette - Street Department (Engr and MCO) AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)		nd Emergency	Destination:	INDOT - TMC and TO	
Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: Tippecanoe Co - Public Safety and Emergency Destination: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: West Lafayette - Public Safety and Emergency Destination: INDOT - TMC and TO Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: CityBus - Operations Center and Dispatch Destination: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) SAE Advanced Traveler Information Systems (ATIS) General Use Standards Group Source: CityBus - Operations Center and Dispatch Destination: CityBus - Transit Vehicles APTA Standard for Transit Communications Interface Profiles APTA TCIP-S-00 3.0.0 Source: INDOT - TMC and TO Destination: West Lafayette - Street Department (Engr and MCO) AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	AASHTO/ITE/NEMA	NTCIP Center-to	-Center Standards	Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: West Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: West Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: CityBus - Operations Center and Dispatch AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) SAE Advanced Traveler Information Systems (ATIS) General Use Standards Group Source: CityBus - Operations Center and Dispatch APTA Standards Group Source: CityBus - Operations Center and Dispatch APTA Standard for Transit Communications Interface Profiles APTA TCIP-S-00 3.0.0 Source: INDOT - TMC and TO Destination: West Lafayette - Street Department (Engr and MCO) AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)		y and Emergency	Destination:	INDOT - TMC and TO	
Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Source: West Lafayette - Public Safety and Emergency Destination: INDOT - TMC and TO Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) W: fare and price information Source: CityBus - Operations Center and Dispatch Destination: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) SAE Advanced Traveler Information Systems (ATIS) General Use (See Footnote) Standards Group W: fare management information Source: CityBus - Operations Center and Dispatch Destination: CityBus - Transit Vehicles APTA Standard for Transit Communications Interface Profiles APTA TCIP-S-00 3.0.0 Source: InDOT - TMC and TO Destination: West Lafayette - Street Department (Engr and MCO) AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	AASHTO/ITE/NEMA	NTCIP Center-to	-Center Standards	Group	(See Footnote)
Source: West Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) Ow: fare and price information Source: CityBus - Operations Center and Dispatch Destination: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) SAE Advanced Traveler Information Systems (ATIS) General Use (See Footnote) Source: CityBus - Operations Center and Dispatch Destination: CityBus - Transit Vehicles APTA Standards for Transit Communications Interface Profiles APTA TCIP-S-00 3.0.0 Ow: field equipment status Source: INDOT - TMC and TO Destination: West Lafayette - Street Department (Engr and MCO) AASHTO/ITE Traffic Management Data Dictionary and Message Sets for ITE TMDD 2.1 External TMC Communication (TMDD and MS/ETMCC)		y and Emergency	Destination:	Lafayette - Public Safety and Emerge	ncy Management
Management AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group Ow: fare and price information Source: CityBus - Operations Center and Dispatch AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group Ow: fare management information Source: CityBus - Operations Center and Dispatch APTA Standard for Transit Communications Interface Profiles APTA Standard TO Destination: West Lafayette - Street Department (Engr and MCO) AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	AASHTO/ITE/NEMA	NTCIP Center-to	-Center Standards	Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) SAE Advanced Traveler Information Systems (ATIS) General Use Standards Group Ow: fare management information Source: CityBus - Operations Center and Dispatch APTA Standard for Transit Communications Interface Profiles APTA TCIP-S-00 3.0.0 Ow: field equipment status Source: INDOT - TMC and TO AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)		and Emergency	Destination:	INDOT - TMC and TO	
Source: CityBus - Operations Center and Dispatch AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group Ow: fare management information Source: CityBus - Operations Center and Dispatch APTA Standard for Transit Communications Interface Profiles APTA Source: INDOT - TMC and TO AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC) Lafayette - Public Safety and Emergency Management (See Footnote) (See Footnote) See Footnote)	AASHTO/ITE/NEMA	NTCIP Center-to	-Center Standards	Group	(See Footnote)
AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote) SAE Advanced Traveler Information Systems (ATIS) General Use Standards Group W: fare management information Source: CityBus - Operations Center and Dispatch APTA Standard for Transit Communications Interface Profiles APTA TCIP-S-00 3.0.0 W: field equipment status Source: INDOT - TMC and TO Destination: West Lafayette - Street Department (Engr and MCO) AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ow: fare and price information				
Advanced Traveler Information Systems (ATIS) General Use Standards Group Ow: fare management information Source: CityBus - Operations Center and Dispatch APTA Standard for Transit Communications Interface Profiles APTA TCIP-S-00 3.0.0 Ow: field equipment status Source: INDOT - TMC and TO Destination: West Lafayette - Street Department (Engr and MCO) AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	Source: CityBus - Operations Center a	and Dispatch	Destination:	Lafayette - Public Safety and Emerge	ncy Management
Standards Group Destination: CityBus - Transit Vehicles APTA Standard for Transit Communications Interface Profiles APTA TCIP-S-00 3.0.0 APTA TCIP-S-00 3.0.0 Destination: West Lafayette - Street Department (Engr and MCO) AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	AASHTO/ITE/NEMA	NTCIP Center-to	-Center Standards	Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch APTA Standard for Transit Communications Interface Profiles APTA TCIP-S-00 3.0.0 Ow: field equipment status Source: INDOT - TMC and TO AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC) Destination: CityBus - Transit Vehicles APTA TCIP-S-00 3.0.0 Destination: West Lafayette - Street Department (Engr and MCO) ITE TMDD 2.1	SAE			ems (ATIS) General Use	(See Footnote)
APTA Standard for Transit Communications Interface Profiles APTA TCIP-S-00 3.0.0 Ow: field equipment status Source: INDOT - TMC and TO AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC) ITE TMDD 2.1	ow: fare management information				
3.0.0 Ow: field equipment status Source:INDOT - TMC and TO AASHTO/ITE Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC) Traffic Management Data Dictionary and Message Sets for ITE TMDD 2.1	Source: CityBus - Operations Center a	and Dispatch	Destination:	CityBus - Transit Vehicles	
Source: INDOT - TMC and TO Destination: West Lafayette - Street Department (Engr and MCO) AASHTO/ITE Traffic Management Data Dictionary and Message Sets for ITE TMDD 2.1 External TMC Communication (TMDD and MS/ETMCC)	АРТА	Standard for Tra	nsit Communication	ns Interface Profiles	
AASHTO/ITE Traffic Management Data Dictionary and Message Sets for ITE TMDD 2.1 External TMC Communication (TMDD and MS/ETMCC)	ow: field equipment status				
External TMC Communication (TMDD and MS/ETMCC)	Source: INDOT - TMC and TO		Destination:	West Lafayette - Street Department (E	Engr and MCO)
	AASHTO/ITE	Traffic Managem	ent Data Dictionary	and Message Sets for	ITE TMDD 2.1
	AASHTO/ITE/NEMA				(See Footnote)

Lead SDO	Standard Nam	е		Document ID
Source: Lafayette - Public Safety and Em Management	ergency	Destination:	INDOT - TMC and TO	
AASHTO/ITE		ment Data Dictionary Communication (TMD	and Message Sets for	ITE TMDD 2.1
AASHTO/ITE/NEMA		o-Center Standards		(See Footnote)
w: hri operational status				
Source: INDOT - Roadside Equipment		Destination:	Rail - Wayside Equipment	
IEEE		e Interface Between t	he Rail Subsystem and	IEEE 1570-2002
w: incident command information cool		ıbsystem at a Highwa	y Kali intersection	
Source: Lafayette - Public Safety and Em Management	ergency	Destination:	State Police - Public Safety and Em Management	ergency
AASHTO/ITE/NEMA	NTCIP Center-	o-Center Standards	Group	(See Footnote)
IEEE	Incident Manag	ement Standards Gro	oup	(See Footnote)
Source: Lafayette - Public Safety and Em Management	ergency	Destination:	Tippecanoe Co - Public Safety and Management	Emergency
AASHTO/ITE/NEMA	NTCIP Center-	co-Center Standards	Group	(See Footnote)
IEEE	Incident Manag	ement Standards Gro	oup	(See Footnote)
Source: Purdue - Public Safety and Emer Management	gency	Destination:	State Police - Public Safety and Em Management	ergency
AASHTO/ITE/NEMA	NTCIP Center-	co-Center Standards	Group	(See Footnote)
IEEE	Incident Manag	ement Standards Gro	oup	(See Footnote)
Source: Purdue - Public Safety and Emer Management	gency	Destination:	Tippecanoe Co - Public Safety and Management	Emergency
AASHTO/ITE/NEMA	NTCIP Center-	o-Center Standards	Group	(See Footnote)
IEEE	Incident Manag	ement Standards Gro	oup	(See Footnote)
Source: Small Municipality - Public Safety Emergency Management	and	Destination:	State Police - Public Safety and Em Management	ergency
AASHTO/ITE/NEMA	NTCIP Center-	o-Center Standards	Group	(See Footnote)
IEEE	Incident Manag	ement Standards Gro	oup	(See Footnote)
Source: Small Municipality - Public Safety Emergency Management	and	Destination:	Tippecanoe Co - Public Safety and Management	Emergency
AASHTO/ITE/NEMA	NTCIP Center-	o-Center Standards	Group	(See Footnote)
IEEE	Incident Manag	ement Standards Gro	oup	(See Footnote)
Source: State Police - Public Safety and E Management	Emergency	Destination:	Lafayette - Public Safety and Emerg	gency Management
AASHTO/ITE/NEMA	NTCIP Center-	o-Center Standards	Group	(See Footnote)
IEEE	Incident Manag	ement Standards Gro	oup	(See Footnote)
Source: State Police - Public Safety and E Management	Emergency	Destination:	Purdue - Public Safety and Emerger	ncy Management
AASHTO/ITE/NEMA	NTCIP Center-	o-Center Standards	Group	(See Footnote)
IEEE	Incident Manag	ement Standards Gro	oup	(See Footnote)
Source: State Police - Public Safety and E Management	Emergency	Destination:	Small Municipality - Public Safety ar Management	nd Emergency
AASHTO/ITE/NEMA	NTCIP Center-	co-Center Standards	•	(See Footnote)
IEEE	Incident Manag	ement Standards Gro	oup	(See Footnote)
Source: State Police - Public Safety and E Management	Emergency	Destination:	Tippecanoe Co - Public Safety and Management	Emergency
AASHTO/ITE/NEMA	NTCIP Center-		•	(See Footnote)

Lead SDO	Standard Name	•		Document ID
Source: State Police - Public Safety a Management	nd Emergency	Destination:	Tippecanoe Co - Public Safety and Er Management	mergency
IEEE	Incident Manage	ement Standards Gro	oup	(See Footnote
Source: Tippecanoe Co - Public Safet Management	y and Emergency	Destination:	Lafayette - Public Safety and Emerge	ncy Management
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	Group	(See Footnote
IEEE	Incident Manage	ement Standards Gro	oup	(See Footnote
Source: Tippecanoe Co - Public Safet Management	y and Emergency	Destination:	Purdue - Public Safety and Emergence	cy Management
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	Group	(See Footnote
IEEE	Incident Manage	ement Standards Gro	oup	(See Footnote
Source: Tippecanoe Co - Public Safet Management	y and Emergency	Destination:	Small Municipality - Public Safety and Management	l Emergency
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	Group	(See Footnote
IEEE		ement Standards Gro	•	(See Footnote
Source: Tippecanoe Co - Public Safet Management	y and Emergency	Destination:	State Police - Public Safety and Emer Management	gency
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	•	(See Footnote
IEEE		ement Standards Gro	•	(See Footnote
incident information				•
Source: INDOT - TMC and TO		Destination:	State Police - Public Safety and Emer Management	gency
AASHTO/ITE		nent Data Dictionary ommunication (TMD	and Message Sets for	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	Group	(See Footnote
IEEE	Incident Manage	ement Standards Gro	oup	(See Footnote
Source: INDOT - TMC and TO		Destination:	Tippecanoe Co - Public Safety and Er Management	mergency
AASHTO/ITE	External TMC C	ommunication (TMD	, , , , , , , , , , , , , , , , , , ,	ITE TMDD 2.1
AASHTO/ITE/NEMA		o-Center Standards	•	(See Footnote
IEEE	Incident Manage	ement Standards Gro	oup	(See Footnote
Source: Lafayette - Public Safety and Management	Emergency	Destination:	INDOT - TMC and TO	
AASHTO/ITE	External TMC C	ommunication (TMD	•	ITE TMDD 2.1
AASHTO/ITE/NEMA		o-Center Standards	•	(See Footnote
IEEE	Incident Manage	ement Standards Gro	oup	(See Footnote
Source: Lafayette - Public Safety and Management	Emergency	Destination:	State Police - Public Safety and Emer Management	gency
AASHTO/ITE	External TMC C	ommunication (TMD	,	ITE TMDD 2.1
AASHTO/ITE/NEMA		o-Center Standards	·	(See Footnote
IEEE	Incident Manage	ement Standards Gro	oup	(See Footnote
Source: Lafayette - Public Safety and Management	Emergency	Destination:	Tippecanoe Co - Public Safety and Er Management	mergency
AASHTO/ITE	External TMC C	ommunication (TMD		ITE TMDD 2.1
AASHTO/ITE/NEMA		o-Center Standards	•	(See Footnote
IEEE	Incident Manage	ement Standards Gro	oup	(See Footnote
Source: Purdue - Public Safety and E Management	mergency	Destination:	INDOT - TMC and TO	

Lead SDO	Standard Name			Document ID
Source: Purdue - Public Safety and Emerge Management	ncy	Destination:	INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Da External TMC Communication			ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Purdue - Public Safety and Emerge Management	ncy	Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Da External TMC Commun			ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Purdue - Public Safety and Emerge Management	ncy	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Da External TMC Commun			ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Small Municipality - Public Safety a Emergency Management	nd	Destination:	INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Da External TMC Commun			ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Small Municipality - Public Safety a Emergency Management	nd	Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Da External TMC Commun	ata Dictionary nication (TMD	and Message Sets for D and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Small Municipality - Public Safety a Emergency Management	nd	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Date External TMC Communications	nication (TMD	D and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: State Police - Public Safety and Em Management	ergency	Destination:	INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Date External TMC Communications			ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center		•	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	Emergency	Destination:	INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Date External TMC Communications			ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center	er Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	Emergency	Destination:	Lafayette - Public Safety and Emergency Mana	gement
AASHTO/ITE	Traffic Management Date External TMC Communications			ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center	er Standards (Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name)		Document ID
Source: Tippecanoe Co - Public Safe Management	ty and Emergency	Destination:	Lafayette - Public Safety and Eme	ergency Management
IEEE	Incident Manage	ement Standards Gr	oup	(See Footnote)
Source: Tippecanoe Co - Public Safe Management	ty and Emergency	Destination:	Purdue - Public Safety and Emerg	gency Management
AASHTO/ITE			and Message Sets for DD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	Group	(See Footnote)
IEEE	Incident Manage	ement Standards Gr	oup	(See Footnote)
Source: Tippecanoe Co - Public Safe Management	ty and Emergency	Destination:	Small Municipality - Public Safety Management	and Emergency
AASHTO/ITE			and Message Sets for DD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	Group	(See Footnote)
IEEE	Incident Manage	ement Standards Gr	oup	(See Footnote)
Source: West Lafayette - Public Safet Management	ty and Emergency	Destination:	INDOT - TMC and TO	
AASHTO/ITE			and Message Sets for DD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	Group	(See Footnote)
IEEE	Incident Manage	ement Standards Gr	oup	(See Footnote)
incident reportSource: Lafayette - Public Safety and	Emergency	Destination:	Tippecanoe Co - Public Safety an	nd Emergency
Management			Management	
AASHTO/ITE/NEMA		o-Center Standards	•	(See Footnote)
IEEE	Incident Manage	ement Standards Gr	oup	(See Footnote)
Source: Purdue - Public Safety and E Management	mergency	Destination:	Tippecanoe Co - Public Safety an Management	nd Emergency
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	Group	(See Footnote)
IEEE	Incident Manage	ement Standards Gr	oup	(See Footnote)
Source: Small Municipality - Public Sa Emergency Management	afety and	Destination:	Tippecanoe Co - Public Safety an Management	nd Emergency
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	Group	(See Footnote)
IEEE	Incident Manage	ement Standards Gr	oup	(See Footnote)
Source: Tippecanoe Co - Public Safe Management	ty and Emergency	Destination:	Lafayette - Public Safety and Eme	ergency Management
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	Group	(See Footnote)
IEEE	Incident Manage	ement Standards Gr	oup	(See Footnote)
Source: Tippecanoe Co - Public Safe Management	ty and Emergency	Destination:	Purdue - Public Safety and Emerg	gency Management
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	Group	(See Footnote)
IEEE		ement Standards Gr	·	(See Footnote)
Source: Tippecanoe Co - Public Safe Management	ty and Emergency	Destination:	Small Municipality - Public Safety Management	and Emergency
AASHTO/ITE/NEMA	NTCIP Center-to	o-Center Standards	Group	(See Footnote)
IEEE		ement Standards Gr	•	(See Footnote)
				· · ·
incident response coordination				
 incident response coordination Source: Lafayette - Public Safety and Management 		Destination:	State Police - Public Safety and E Management	Emergency

Lead SDO	Standard Name			Document ID
Source: Lafayette - Public Safety and Emerg	gency	Destination:	State Police - Public Safety and Emergency Management	
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source:Lafayette - Public Safety and Emerg	gency	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cen	ter Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Purdue - Public Safety and Emerge Management	ncy	Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cen	ter Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Purdue - Public Safety and Emerge Management	ncy	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cen	ter Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Small Municipality - Public Safety a Emergency Management	nd	Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cen	ter Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Small Municipality - Public Safety a Emergency Management	nd	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cen	ter Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: State Police - Public Safety and Em Management	ergency	Destination:	Lafayette - Public Safety and Emergency Manag	gement
AASHTO/ITE/NEMA	NTCIP Center-to-Cen	ter Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: State Police - Public Safety and Em Management	ergency	Destination:	Purdue - Public Safety and Emergency Manage	ment
AASHTO/ITE/NEMA	NTCIP Center-to-Cen	ter Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: State Police - Public Safety and Em Management	ergency	Destination:	Small Municipality - Public Safety and Emergen- Management	су
AASHTO/ITE/NEMA	NTCIP Center-to-Cen	ter Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: State Police - Public Safety and Em Management	ergency	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cen	ter Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	Emergency	Destination:	Lafayette - Public Safety and Emergency Manag	gement
AASHTO/ITE/NEMA	NTCIP Center-to-Cen	ter Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	Emergency	Destination:	Purdue - Public Safety and Emergency Manage	ment
AASHTO/ITE/NEMA	NTCIP Center-to-Cen	ter Standards (Group	(See Footnote)
IEEE	Incident Management	Standards Gro	pup	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	Emergency	Destination:	Small Municipality - Public Safety and Emergen- Management	су
AASHTO/ITE/NEMA	NTCIP Center-to-Cen	ter Standards (Group	(See Footnote)

Lead SDO	Standard Name	Document ID
Source: Tippecanoe Co - Public Safety and Management	Emergency Destination: Small Municipality - Public Safety and Emerger Management	ncy
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	Emergency Destination: State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Flow: incident response status		
Source: State Police - Public Safety and En Management	nergency Destination: INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Flow: interactive traveler information		
Source: CityBus - Operations Center and D	ispatch Destination: Lafayette - Public Safety and Emergency Mana	agement
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: CityBus - Operations Center and D	ispatch Destination: Purdue - Public Safety and Emergency Manag	ement
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: ISP coordination		
Source: INDOT - TMC and TO	Destination: INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: logged vehicle routes		
Source: CityBus - Operations Center and D	ispatch Destination: Lafayette - Public Safety and Emergency Mana	agement
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: maint and constr archive data		
Source: INDOT - TMC and TO	Destination: APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: INDOT - TMC and TO	Destination: INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: INDOT - TMC and TO	Destination: Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Lafayette - Engineering and MCO	Destination: APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05

Lead SDO	Standard Name			Document ID
Source: Lafayette - Engineering and MCO		Destination:	INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards	Group	(See Footnote)
ASTM	Standard Practice to Management System		upport Archived Data	ASTM E2468-05
Source: Lafayette - Engineering and MCO		Destination:	Purdue - CATS/Civil Engine	ering
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards	Group	(See Footnote)
ASTM	Standard Practice to Management System		upport Archived Data	ASTM E2468-05
Source: Purdue - Facilities and Grounds		Destination:	APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards	Group	(See Footnote)
ASTM	Standard Practice to Management System		upport Archived Data	ASTM E2468-05
Source: Purdue - Facilities and Grounds		Destination:	INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards	Group	(See Footnote)
ASTM	Standard Practice to Management System		upport Archived Data	ASTM E2468-05
Source: Purdue - Facilities and Grounds		Destination:	Purdue - CATS/Civil Engine	ering
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards	Group	(See Footnote)
ASTM	Standard Practice to Management System		upport Archived Data	ASTM E2468-05
Source: Tippecanoe Co - Highway Dept an	d MCO	Destination:	APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards	Group	(See Footnote)
ASTM	Standard Practice to Management System		upport Archived Data	ASTM E2468-05
Source: Tippecanoe Co - Highway Dept an	d MCO	Destination:	INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards	Group	(See Footnote)
ASTM	Standard Practice to Management System		upport Archived Data	ASTM E2468-05
Source:Tippecanoe Co - Highway Dept an	d MCO	Destination:	Purdue - CATS/Civil Engine	ering
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards	Group	(See Footnote)
ASTM	Standard Practice to Management System		upport Archived Data	ASTM E2468-05
Source: West Lafayette - Street Departmer MCO)	t (Engr and	Destination:	APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards	Group	(See Footnote)
ASTM	Standard Practice to Management System		upport Archived Data	ASTM E2468-05
Source: West Lafayette - Street Departmer MCO)	t (Engr and	Destination:	INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards	Group	(See Footnote)
ASTM	Standard Practice to Management System		upport Archived Data	ASTM E2468-05
Source: West Lafayette - Street Departmer MCO)	t (Engr and	Destination:	Purdue - CATS/Civil Engine	ering
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards	Group	(See Footnote)
ASTM	Standard Practice to Management System		upport Archived Data	ASTM E2468-05

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Source: INDOT - TMC and TO Destination: West Lafayette - Street Department (Engr and MCO)

AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Footnote)

Lead SDO	Standard Name	Document ID
Source: West Lafayette - Street Department MCO)	(Engr and Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
w: maint and constr resource response		
Source: INDOT - TMC and TO	Destination: West Lafayette - Street Department (Engr and M	ICO)
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ow: maint and constr work plans		
Source: INDOT - TMC and TO	Destination: INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ow: map updates		
Source: Tippecanoe Co - GIS	Destination: APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - GIS	Destination: CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: Lafayette - Engineering and MCO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: Lafayette - Public Safety and Emergency Manag	jement
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - GIS	Destination: Purdue - Facilities and Grounds	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: Purdue - Public Safety and Emergency Manager	ment
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: Tippecanoe Co - Highway Dept and MCO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: West Lafayette - Street Department (Engr and M	,
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ow: personal transit information		
Source: CityBus - Operations Center and Di	spatch Destination: User Personal Computing Devices	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-00 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name			Document ID
Source: CityBus - Operations C	enter and Dispatch	Destination:	CityBus - Transit Vehicles	
АРТА	Standard for Trans	sit Communication	s Interface Profiles	APTA TCIP-S-00 3.0.0
request transit information	1			
Source: Lafayette - Public Safe Management	ty and Emergency	Destination:	CityBus - Operations Center and Disp	patch
AASHTO/ITE/NEMA	NTCIP Center-to-	Center Standards	Group	(See Footnote)
resource coordination				
Source: Lafayette - Public Safe Management	ty and Emergency	Destination:	Tippecanoe Co - Public Safety and Ed Management	mergency
AASHTO/ITE/NEMA	NTCIP Center-to-	Center Standards	Group	(See Footnote)
IEEE	Incident Managem	nent Standards Gro	oup	(See Footnote)
Source: Small Municipality - Pu Emergency Manageme		Destination:	State Police - Public Safety and Emer Management	gency
AASHTO/ITE/NEMA	NTCIP Center-to-	Center Standards	Group	(See Footnote)
IEEE	Incident Managem	nent Standards Gro	oup	(See Footnote)
Source: Small Municipality - Pu Emergency Manageme		Destination:	Tippecanoe Co - Public Safety and En Management	mergency
AASHTO/ITE/NEMA	NTCIP Center-to-	Center Standards	Group	(See Footnote)
IEEE	Incident Managem	nent Standards Gro	oup	(See Footnote)
Source: State Police - Public Sa Management	afety and Emergency	Destination:	Small Municipality - Public Safety and Management	l Emergency
AASHTO/ITE/NEMA	NTCIP Center-to-	Center Standards	Group	(See Footnote)
IEEE	Incident Managem	nent Standards Gro	oup	(See Footnote)
Source: Tippecanoe Co - Public Management	c Safety and Emergency	Destination:	Lafayette - Public Safety and Emerge	ncy Management
AASHTO/ITE/NEMA	NTCIP Center-to-	Center Standards	Group	(See Footnote)
IEEE	Incident Managem	nent Standards Gro	oup	(See Footnote)
Source: Tippecanoe Co - Public Management	Safety and Emergency	Destination:	Small Municipality - Public Safety and Management	l Emergency
AASHTO/ITE/NEMA	NTCIP Center-to-	Center Standards	Group	(See Footnote)
IEEE	Incident Managem	nent Standards Gro	oup	(See Footnote)
resource request				
Source: INDOT - TMC and TO		Destination:	State Police - Public Safety and Emer Management	gency
AASHTO/ITE/NEMA	NTCIP Center-to-	Center Standards	_	(See Footnote)
IEEE	Incident Managem	nent Standards Gro	oup	(See Footnote)
Source: INDOT - TMC and TO		Destination:	Tippecanoe Co - Public Safety and Edmanagement	mergency
AASHTO/ITE/NEMA	NTCIP Center-to-	Center Standards	Group	(See Footnote)
IEEE	Incident Managem	nent Standards Gro	oup	(See Footnote)
Source: State Police - Public Sa Management	afety and Emergency	Destination:	INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-0	Center Standards	Group	(See Footnote)
IEEE	Incident Managem	nent Standards Gro	pup	(See Footnote)
road network conditions				
Source: INDOT - TMC and TO		5	INDOT - 511 Traveler Information	

	Standard Name			Document ID
Source: INDOT - TMC and TO		Destination:	INDOT - 511 Traveler Information	
AASHTO/ITE	Traffic Manageme External TMC Cor	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)		ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-0	NTCIP Center-to-Center Standards Group		(See Footnote)
Source: Lafayette - Public Safety and E Management	Emergency	Destination:	Tippecanoe Co - Public Safety and Management	I Emergency
AASHTO/ITE	Traffic Manageme External TMC Cor	nt Data Dictionary nmunication (TMD	and Message Sets for D and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-0	Center Standards	Group	(See Footnote)
Source: Tippecanoe Co - Public Safety Management	and Emergency	Destination:	Lafayette - Public Safety and Emer	rgency Management
AASHTO/ITE			and Message Sets for D and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-0	Center Standards	Group	(See Footnote)
Source: Tippecanoe Co - Public Safety Management	and Emergency	Destination:	Purdue - Public Safety and Emerge	ency Management
AASHTO/ITE			and Message Sets for D and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-0	Center Standards	Group	(See Footnote)
Source: Tippecanoe Co - Public Safety Management	and Emergency	Destination:	Small Municipality - Public Safety a Management	and Emergency
AASHTO/ITE			and Message Sets for D and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-0	Center Standards	Group	(See Footnote)
Source: CityBus - Operations Center a	•		Lafayette - Public Safety and Eme	3 , 3
Source: CityBus - Operations Center a	nd Dispatch NTCIP Center-to-0		•	rgency Management (See Footnote)
Source: CityBus - Operations Center a AASHTO/ITE/NEMA roadside archive data	NTCIP Center-to-0	Center Standards	Group	3 , 3
Source: CityBus - Operations Center a AASHTO/ITE/NEMA roadside archive data	NTCIP Center-to-0	Center Standards	•	3 , 3
Source: CityBus - Operations Center a AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA	NTCIP Center-to-0	Center Standards Destination:	Group INDOT - Data Services	3 , 3
Source: CityBus - Operations Center a AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-0 NTCIP Center-to-1 Global Object Defi	Destination: Field Standards Grantions	Group INDOT - Data Services roup	(See Footnote) (See Footnote) NTCIP 1201
Source: CityBus - Operations Center a AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA	NTCIP Center-to-0 NTCIP Center-to-1 Global Object Defi	Destination: Field Standards Grantions	Group INDOT - Data Services	(See Footnote)
Source: CityBus - Operations Center a AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-0 NTCIP Center-to-1 Global Object Defi	Destination: Field Standards Graitions for Environmental	Group INDOT - Data Services roup Sensor Stations (ESS)	(See Footnote) (See Footnote) NTCIP 1201
Source: CityBus - Operations Center at AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-O NTCIP Center-to-O Global Object Definitions Object Definitions (DCM) Devices	Destination: Field Standards Grantions for Environmental for Data Collection	Group INDOT - Data Services roup Sensor Stations (ESS)	(See Footnote) (See Footnote) NTCIP 1201 NTCIP 1204
Source: CityBus - Operations Center at AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-0 NTCIP Center-to-1 Global Object Definitions Object Definitions (DCM) Devices Data Element Definitions	Destination: Field Standards Grantions for Environmental for Data Collection nitions for Transport	INDOT - Data Services roup Sensor Stations (ESS) n and Monitoring	(See Footnote) (See Footnote) NTCIP 1201 NTCIP 1204 NTCIP 1206
Source: CityBus - Operations Center at AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-0 NTCIP Center-to-1 Global Object Definitions Object Definitions (DCM) Devices Data Element Definitions	Destination: Field Standards Graitions for Environmental for Data Collection nitions for Transport Destination:	INDOT - Data Services roup Sensor Stations (ESS) and Monitoring ortation Sensor Systems Purdue - CATS/Civil Engineering	(See Footnote) (See Footnote) NTCIP 1201 NTCIP 1204 NTCIP 1206
Source: CityBus - Operations Center at AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA SASHTO/ITE/NEMA AASHTO/ITE/NEMA Source: INDOT - Roadside Equipment	NTCIP Center-to-0 NTCIP Center-to-1 Global Object Definitions Object Definitions (DCM) Devices Data Element Definitions	Destination: Field Standards Grantions for Environmental for Data Collection nitions for Transport Destination: Field Standards Grantion	INDOT - Data Services roup Sensor Stations (ESS) and Monitoring ortation Sensor Systems Purdue - CATS/Civil Engineering	(See Footnote) (See Footnote) NTCIP 1201 NTCIP 1204 NTCIP 1206 NTCIP 1209
Source: CityBus - Operations Center at AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA SASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA	NTCIP Center-to-O NTCIP Center-to-O Global Object Definitions Object Definitions (DCM) Devices Data Element Definitions (TSS) NTCIP Center-to-O Global Object Definitions	Destination: Field Standards Grantions for Environmental for Data Collection nitions for Transport Destination: Field Standards Grantions	INDOT - Data Services roup Sensor Stations (ESS) and Monitoring ortation Sensor Systems Purdue - CATS/Civil Engineering	(See Footnote) (See Footnote) NTCIP 1201 NTCIP 1204 NTCIP 1206 NTCIP 1209 (See Footnote)
Source: CityBus - Operations Center a AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-O NTCIP Center-to-O Global Object Definitions Object Definitions (DCM) Devices Data Element Definitions (TSS) NTCIP Center-to-O Global Object Definitions	Destination: Field Standards Grantions for Environmental for Data Collection nitions for Transport Destination: Field Standards Grantions for Environmental	INDOT - Data Services roup Sensor Stations (ESS) n and Monitoring ortation Sensor Systems Purdue - CATS/Civil Engineering roup Sensor Stations (ESS)	(See Footnote) (See Footnote) NTCIP 1201 NTCIP 1204 NTCIP 1206 NTCIP 1209 (See Footnote) NTCIP 1201
Source: CityBus - Operations Center a AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-I Global Object Definitions Object Definitions (DCM) Devices Data Element Defi (TSS) NTCIP Center-to-I Global Object Definitions Object Definitions Object Definitions Object Definitions (DCM) Devices	Destination: Field Standards Grantions for Environmental for Data Collection nitions for Transport Destination: Field Standards Grantions for Environmental for Data Collection	INDOT - Data Services roup Sensor Stations (ESS) n and Monitoring ortation Sensor Systems Purdue - CATS/Civil Engineering roup Sensor Stations (ESS)	(See Footnote) (See Footnote) NTCIP 1201 NTCIP 1204 NTCIP 1206 NTCIP 1209 (See Footnote) NTCIP 1201 NTCIP 1201 NTCIP 1204
Source: CityBus - Operations Center a AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-O Global Object Definitions Object Definitions (DCM) Devices Data Element Defi (TSS) NTCIP Center-to-O Global Object Definitions Object Definitions Object Definitions Object Definitions Object Definitions (DCM) Devices Data Element Defi (TSS)	Destination: Field Standards Grantions for Environmental for Data Collection nitions for Transport Destination: Field Standards Grantions for Environmental for Data Collection	INDOT - Data Services roup Sensor Stations (ESS) and Monitoring ortation Sensor Systems Purdue - CATS/Civil Engineering roup Sensor Stations (ESS) and Monitoring	(See Footnote) (See Footnote) NTCIP 1201 NTCIP 1204 NTCIP 1206 NTCIP 1209 (See Footnote) NTCIP 1201 NTCIP 1201 NTCIP 1204 NTCIP 1206
Source: CityBus - Operations Center a AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-O Global Object Definitions Object Definitions (DCM) Devices Data Element Definitions (TSS) NTCIP Center-to-O Global Object Definitions Object Definitions Object Definitions Object Definitions (DCM) Devices Data Element Definitions (TSS)	Destination: Field Standards Grantions for Environmental for Data Collection nitions for Transport Destination: Field Standards Grantions for Environmental for Data Collection nitions for Transport for Data Collection nitions for Transport	INDOT - Data Services roup Sensor Stations (ESS) and Monitoring ortation Sensor Systems Purdue - CATS/Civil Engineering roup Sensor Stations (ESS) and Monitoring	(See Footnote) (See Footnote) NTCIP 1201 NTCIP 1204 NTCIP 1206 NTCIP 1209 (See Footnote) NTCIP 1201 NTCIP 1204 NTCIP 1204 NTCIP 1206 NTCIP 1209
Source: CityBus - Operations Center a AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA	NTCIP Center-to-O Global Object Definitions Object Definitions (DCM) Devices Data Element Definitions (TSS) NTCIP Center-to-O Global Object Definitions Object Definitions Object Definitions Object Definitions (DCM) Devices Data Element Definitions (TSS)	Destination: Field Standards Grantions for Environmental for Data Collection nitions for Transport Destination: Field Standards Grantions for Environmental for Data Collection nitions for Transport Destination:	INDOT - Data Services roup Sensor Stations (ESS) n and Monitoring ortation Sensor Systems Purdue - CATS/Civil Engineering roup Sensor Stations (ESS) n and Monitoring ortation Sensor Systems West Lafayette - Roadside Equipm	(See Footnote) (See Footnote) NTCIP 1201 NTCIP 1204 NTCIP 1206 NTCIP 1209 (See Footnote) NTCIP 1201 NTCIP 1204 NTCIP 1204 NTCIP 1206 NTCIP 1209
Source: CityBus - Operations Center a AASHTO/ITE/NEMA roadside archive data Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA Source: INDOT - Roadside Equipment Roadway equipment coordination Source: INDOT - Roadside Equipment	NTCIP Center-to-O NTCIP Center-to-O Global Object Definitions Object Definitions (DCM) Devices Data Element Definitions (TSS) NTCIP Center-to-O Global Object Definitions Object Definitions (DCM) Devices Data Element Definitions (DCM) Devices Data Element Definitions (DCM) Devices Data Element Definitions (TSS)	Destination: Field Standards Grantions for Environmental for Data Collection nitions for Transport Destination: Field Standards Grantions for Environmental for Data Collection nitions for Transport Destination: Center Standards	INDOT - Data Services roup Sensor Stations (ESS) n and Monitoring ortation Sensor Systems Purdue - CATS/Civil Engineering roup Sensor Stations (ESS) n and Monitoring ortation Sensor Systems West Lafayette - Roadside Equipm	(See Footnote) (See Footnote) NTCIP 1201 NTCIP 1204 NTCIP 1206 NTCIP 1209 (See Footnote) NTCIP 1201 NTCIP 1201 NTCIP 1204 NTCIP 1206 NTCIP 1209

Lead SDO	Standard Name	Document ID
Source: West Lafayette - Roadside Equipm	nent Destination: INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
Flow: roadway information system data		
Source: INDOT - TMC and TO	Destination: INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
Flow: roadway information system status		
Source: INDOT - Roadside Equipment	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
Flow: secure area surveillance control		
Source: Tippecanoe Co - Public Safety and Management	d Emergency Destination: Lafayette - Public Safety and Emergency Mana	gement
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
Flow: secure area surveillance data		
Source: Lafayette - Public Safety and Eme Management	rgency Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
Flow: signal control data		
Source: INDOT - TMC and TO	Destination: INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller	NTCIP 1202
AASHTO/ITE/NEMA	(ASC) Units Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
Source: West Lafayette - Street Department MCO)	• •	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210

Lead SDO	Standard Name	Document ID
Source: West Lafayette - Street Departmen MCO)	nt (Engr and Destination: West Lafayette - Roadside Equipment	
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
Flow: signal control status		
Source: INDOT - Roadside Equipment	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
Source: West Lafayette - Roadside Equipn	nent Destination: West Lafayette - Street Department (Engr and I	MCO)
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
Flow: speed monitoring control		
Source: INDOT - TMC and TO	Destination: INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Flow: speed monitoring information		
Source: INDOT - Roadside Equipment	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Flow: threat information		
Source:Lafayette - Public Safety and Eme Management	rgency Destination: State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Public Safety and El Management	mergency Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	d Emergency Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: threat information coordination		
Source: Lafayette - Public Safety and Eme Management	rgency Destination: State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Eme Management	rgency Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Lead SDO	Standard Name			Document II
Source: Purdue - Public Safety and Emerge Management	ncy	Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot
Source: Purdue - Public Safety and Emerge Management	ncy	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot
Source: Small Municipality - Public Safety an Emergency Management	nd	Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot
Source: Small Municipality - Public Safety an Emergency Management	nd	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footno
Source: State Police - Public Safety and Em Management	ergency	Destination:	CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot
Source: State Police - Public Safety and Em Management	ergency	Destination:	Lafayette - Public Safety and Emergency Mana	gement
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot
Source: State Police - Public Safety and Em Management	ergency	Destination:	Purdue - Public Safety and Emergency Manage	ement
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footno
Source: State Police - Public Safety and Em Management	ergency	Destination:	Small Municipality - Public Safety and Emergen Management	су
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot
Source: State Police - Public Safety and Em Management	ergency	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot
Source: Tippecanoe Co - Public Safety and Management	Emergency	Destination:	Lafayette - Public Safety and Emergency Mana	gement
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot
Source: Tippecanoe Co - Public Safety and Management	Emergency	Destination:	Purdue - Public Safety and Emergency Manage	ement
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot
Source: Tippecanoe Co - Public Safety and Management	Emergency	Destination:	Small Municipality - Public Safety and Emergen Management	су
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot
Source: Tippecanoe Co - Public Safety and Management	Emergency	Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot
Source: Tippecanoe Co - Public Safety and Management	Emergency	Destination:	West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot
Source: West Lafayette - Public Safety and Management	Emergency	Destination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footno
Source: West Lafayette - Public Safety and Management	Emergency	Destination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Cer	nter Standards	Group	(See Footnot

Lead SDO	Standard Name	Document ID
Source: Rail - Wayside Equipment	Destination: INDOT - Roadside Equipment	
IEEE	Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
Flow: traffic archive data		
Source: INDOT - TMC and TO	Destination: INDOT - Data Services	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
ASTM	Standard Specifications for Archiving ITS-Generated Traffic Monitoring Data	ASTM WK7604
Source: INDOT - TMC and TO	Destination: Purdue - CATS/Civil Engineering	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
ASTM	Standard Specifications for Archiving ITS-Generated Traffic Monitoring Data	ASTM WK7604
Flow: traffic control priority request		
Source: CityBus - Operations Center and	Dispatch Destination: Lafayette - Public Safety and Emergency M	anagement
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: traffic control priority status		
Source: Lafayette - Public Safety and Em- Management	ergency Destination: CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: traffic flow		
Source: INDOT - Roadside Equipment	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Flow: traffic images		
Source: INDOT - Roadside Equipment	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV)	NTCIP 1208

Lead SDO	Standard Name	Document ID
Source: INDOT - TMC and TO	Destination: Lafayette - Public Safety	y and Emergency Management
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - TMC and TO	Destination: Purdue - Public Safety a	and Emergency Management
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - TMC and TO	Destination: Small Municipality - Pub Management	lic Safety and Emergency
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - TMC and TO	Destination: State Police - Public Sat Management	fety and Emergency
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - TMC and TO	Destination: Tippecanoe Co - Public Management	Safety and Emergency
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - TMC and TO	Destination: West Lafayette - Public Management	Safety and Emergency
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: traffic sensor control		
Source: INDOT - TMC and TO	Destination: INDOT - Roadside Equi	pment
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Flow: transit archive data		
Source: CityBus - Operations Center and	Dispatch Destination: Purdue - CATS/Civil Eng	aineerina
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Flow: transit demand management reque	st	
Source: Lafayette - Public Safety and Em Management	ergency Destination: CityBus - Operations Ce	enter and Dispatch
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: transit demand management respo	nse	
Source: CityBus - Operations Center and	Dispatch Destination: Lafayette - Public Safety	v and Emergency Management
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: transit fare and passenger status	The solution to contain standards croup	(0001000)
Source: Lafayette - Public Safety and Em Management	ergency Destination: CityBus - Operations Ce	enter and Dispatch
АРТА	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emer Management	gency Destination: CityBus - Operations Ce	enter and Dispatch
АРТА	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Lead SDO	Standard Name		Document ID
Source: CityBus - Operations Center and	Dispatch	Destination: Lafayette - Public Safety and	Emergency Management
APTA	Standard for Transi	t Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Standards Group	Information Systems (ATIS) General Use	(See Footnote)
Source: CityBus - Operations Center and	Dispatch	Destination: Purdue - Public Safety and Er	mergency Management
APTA	Standard for Transi	t Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Standards Group	Information Systems (ATIS) General Use	(See Footnote)
ow: transit information user request			
Source: Lafayette - Public Safety and Em Management	ergency	Destination: CityBus - Operations Center a	and Dispatch
APTA	Standard for Transi	t Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Standards Group	Information Systems (ATIS) General Use	(See Footnote)
Source: Purdue - Public Safety and Emer Management	gency	Destination: CityBus - Operations Center a	and Dispatch
APTA	Standard for Transi	t Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Standards Group	Information Systems (ATIS) General Use	(See Footnote)
Source: User Personal Computing Device	es	Destination: CityBus - Operations Center a	and Dispatch
APTA	Standard for Transi	t Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Standards Group	Information Systems (ATIS) General Use	(See Footnote)
ow: transit probe data			
Source: CityBus - Operations Center and	Dispatch	Destination: Lafayette - Public Safety and	Emergency Management
AASHTO/ITE/NEMA		enter Standards Group	(See Footnote)
ow: transit schedule information			
Source: CityBus - Operations Center and	Dispatch	Destination: CityBus - Transit Vehicles	
APTA	•	t Communications Interface Profiles	APTA TCIP-S-001
			3.0.0
ow: transit system data			
Source: CityBus - Operations Center and	Dispatch	Destination: Lafayette - Public Safety and	Emergency Management
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards Group	(See Footnote)
ow: transit system status assessment			
Source: CityBus - Operations Center and	Dispatch	Destination: Lafayette - Public Safety and	Emergency Management
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards Group	(See Footnote)
Source: CityBus - Operations Center and	Dispatch	Destination: Purdue - Public Safety and Er	mergency Management
AASHTO/ITE/NEMA	NTCIP Center-to-C	enter Standards Group	(See Footnote)
ow: transit traveler information			
Source: CityBus - Operations Center and	Dispatch	Destination: CityBus - Transit Information	Displays
APTA		t Communications Interface Profiles	APTA TCIP-S-001 3.0.0
			0.0.0

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and I	Dispatch Destination: CityBus - Transit Vehicles	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	3.0.0 (See Footnote)
Source: CityBus - Operations Center and I	Dispatch Destination: Lafayette - Public Safety and Emergency Mar	nagement
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	3.0.0 (See Footnote)
Source: CityBus - Operations Center and I	Dispatch Destination: Purdue - Public Safety and Emergency Management	gement
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: transit vehicle conditions		
Source: CityBus - Transit Vehicles	Destination: CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: transit vehicle loading data		
Source: CityBus - Transit Vehicles	Destination: CityBus - Operations Center and Dispatch	
АРТА	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: transit vehicle location data		
Source: CityBus - Transit Vehicles	Destination: CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: transit vehicle operator authentication	on information	
Source: CityBus - Transit Vehicles	Destination: CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: transit vehicle operator authentication	on update	
Source: CityBus - Operations Center and I	Dispatch Destination: CityBus - Transit Vehicles	
АРТА	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: transit vehicle operator information		
Source: CityBus - Operations Center and I	Dispatch Destination: CityBus - Transit Vehicles	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: transit vehicle schedule performance	е	
Source: CityBus - Transit Vehicles	Destination: CityBus - Operations Center and Dispatch	
АРТА	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: transportation information for opera	tions	
Source: CityBus - Operations Center and I	Dispatch Destination: Lafayette - Public Safety and Emergency Mar	nagement
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Lead SDO	Standard Name	е		Document ID
Source: CityBus - Operations Center and D	ispatch	Destination:	Purdue - Public Safety and Emer	gency Management
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group		(See Footnote)	
w: transportation system status				
Source: CityBus - Operations Center and E	ispatch	Destination:	Lafayette - Public Safety and Em	ergency Management
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
Source: CityBus - Operations Center and D	ispatch	Destination:	Purdue - Public Safety and Emer	gency Management
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
Source: Lafayette - Public Safety and Eme Management	gency	Destination:	CityBus - Operations Center and	Dispatch
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
Source: Lafayette - Public Safety and Eme Management	gency	Destination:	INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
Source: Lafayette - Public Safety and Eme Management	gency	Destination:	Tippecanoe Co - Public Safety ar Management	nd Emergency
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
Source: Purdue - Public Safety and Emerg Management	ency	Destination:	CityBus - Operations Center and	Dispatch
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
Source: Purdue - Public Safety and Emerg Management	ency	Destination:	INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
Source: Small Municipality - Public Safety a Emergency Management	and	Destination:	INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
Source: State Police - Public Safety and Er Management	nergency	Destination:	INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	I Emergency	Destination:	INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Management	I Emergency	Destination:	Lafayette - Public Safety and Em	ergency Management
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
Source: West Lafayette - Public Safety and Management	Emergency	Destination:	INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
w: traveler archive data				
Source: INDOT - 511 Traveler Information		Destination:	INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-t	o-Center Standards	Group	(See Footnote)
ASTM	Standard Practi Management S		upport Archived Data	ASTM E2468-05
SAE	Advanced Trave Standards Grou		ems (ATIS) General Use	(See Footnote)

Source: Lafayette - Public Safety and Em Management SAE Source: Purdue - Public Safety and Eme Management	Advanced Travel Standards Group rgency	er Information System Destination: er Information System	ems (ATIS)		(See Footnote)
Source: Purdue - Public Safety and Eme	Standards Group rgency Advanced Travel	Destination: er Information System			(See Footnote)
	Advanced Travel	er Information Syste	CityBus - C		
				Operations Center and Dispatch	
SAE			ems (ATIS)	General Use	(See Footnote)
low: trip confirmation					
Source: Lafayette - Public Safety and Em Management	nergency	Destination:	CityBus - C	Operations Center and Dispatch	
SAE	Advanced Travel Standards Group	er Information Syste	ems (ATIS)	General Use	(See Footnote)
Source: Purdue - Public Safety and Eme Management	rgency	Destination:	CityBus - C	Operations Center and Dispatch	
SAE	Advanced Travel Standards Group	er Information Syste	ems (ATIS)	General Use	(See Footnote)
ow: trip plan					
Source: CityBus - Operations Center and	I Dispatch	Destination:	Lafayette -	Public Safety and Emergency Ma	ınagement
SAE	Advanced Travel Standards Group	er Information Syste	ems (ATIS)	General Use	(See Footnote)
Source: CityBus - Operations Center and	I Dispatch	Destination:	Purdue - P	Public Safety and Emergency Mana	agement
SAE	Advanced Travel Standards Group	er Information Syste	ems (ATIS)	General Use	(See Footnote)
ow: trip request					
Source: Lafayette - Public Safety and Em Management	nergency	Destination:	CityBus - C	Operations Center and Dispatch	
SAE	Advanced Travel Standards Group	er Information Syste	ems (ATIS)	General Use	(See Footnote)
Source: Purdue - Public Safety and Eme Management	rgency	Destination:	CityBus - C	Operations Center and Dispatch	
SAE	Advanced Travel Standards Group	er Information Syste	ems (ATIS)	General Use	(See Footnote)
ow: video surveillance control					
Source: INDOT - TMC and TO		Destination:	INDOT - R	loadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-	-Field Standards G	oup		(See Footnote)
AASHTO/ITE/NEMA	Global Object De		•		NTCIP 1201
AASHTO/ITE/NEMA	•	s for Closed Circuit	Television (CCTV)	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions Switching	s for Closed Circuit	Television (CCTV)	NTCIP 1208
low: voice-based alert notification					
Source: INDOT - TMC and TO		Destination:	INDOT - 5	11 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-	-Center Standards	Group		(See Footnote)
ow: voice-based traveler information					
Source: INDOT - TMC and TO		Destination:	INDOT 5	11 Traveler Information	
AASHTO/ITE/NEMA	NTCID Contor to	-Center Standards		i i itavelet itilottilatiott	(See Footnote)
	NTOIR Center-to	-Center Standards	Стоир		(See Foothole)
low: voice-based traveler request					
Source: INDOT - 511 Traveler Informatio	n	Destination:	INDOT - T	MC and TO	

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name			Document ID
Source: INDOT - 511 Traveler Information	Des	stination:	INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center St	tandards G	Group	(See Footnote)
Flow: weather information				
Source: Weather Services	Des	stination:	INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center St	tandards G	Group	(See Footnote)
Source: Weather Services	Des	stination:	INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center St	tandards G	Group	(See Footnote)
Source: Weather Services	Des	stination:	State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center St	tandards G	Group	(See Footnote)
Source: Weather Services	Des	stination:	Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center St	tandards G	Group	(See Footnote)
Flow: work zone information				
Source: INDOT - TMC and TO	Des	stination:	INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center St	tandards G	Group	(See Footnote)
Flow: yellow pages information				
Source: CityBus - Operations Center and D	spatch Des	stination:	Lafayette - Public Safety and Emergency Manag	gement
SAE	Advanced Traveler Information Standards Group	ation Syste	ms (ATIS) General Use	(See Footnote)
Source: CityBus - Operations Center and D	spatch Des	stination:	Purdue - Public Safety and Emergency Manage	ment
SAE	Advanced Traveler Informa Standards Group	ation Syste	ms (ATIS) General Use	(See Footnote)
Flow: yellow pages request				
Source:Lafayette - Public Safety and Emer Management	gency Des	stination:	CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Informa Standards Group	ation Syste	ms (ATIS) General Use	(See Footnote)
Source: Purdue - Public Safety and Emerge Management	ncy Des	stination:	CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Informa Standards Group	ation Syste	ms (ATIS) General Use	(See Footnote)

AASHTO/ITE/NEMA

AASHTO/ITE/NEMA

Lead SDO	Document ID			
otes:				
nced Traveler Information S	systems (ATIS) Bandwidth Limited Standards Group			
SDO	Standard Name	Document ID		
SAE	Location Referencing Message Specification (LRMS)	SAE J2266		
SAE	Message Set for Advanced Traveler Information System (ATIS)	SAE J2354		
SAE	Standard for ATIS Message Sets Delivered Over Reduced Bandwidth Media	SAE J2369		
SAE	Messages for Handling Strings and Look-Up Tables in ATIS Standards	SAE J2540		
SAE	RDS (Radio Data System) Phrase Lists	SAE J2540/1		
SAE	ITIS (International Traveler Information Systems) Phrase Lists	SAE J2540/2		
SAE	National Names Phrase List	SAE J2540/3		
nced Traveler Information S	ystems (ATIS) General Use Standards Group			
SDO	Standard Name	Document ID		
SAE	Location Referencing Message Specification (LRMS)	SAE J2266		
SAE	Message Set for Advanced Traveler Information System (ATIS)	SAE J2354		
SAE	Messages for Handling Strings and Look-Up Tables in ATIS Standards	SAE J2540		
SAE	RDS (Radio Data System) Phrase Lists	SAE J2540/1		
SAE	ITIS (International Traveler Information Systems) Phrase Lists	SAE J2540/2		
SAE	National Names Phrase List	SAE J2540/3		
ent Management Standards	Group			
SDO	Standard Name	Document ID		
IEEE	Standard for Common Incident Management Message Sets for use by Emergency Management Centers	IEEE 1512 -2006		
IEEE	Standard for Traffic Incident Management Message Sets for Use by Emergency Management Centers	IEEE 1512.1-2006		
IEEE	Standard for Public Safety Traffic Incident Management Message Sets for Use by Emergency Management Centers	IEEE 1512.2-2004		
IEEE	Standard for Hazardous Material Incident Management Message Sets for Use by Emergency Management Centers	IEEE 1512.3-2006		
IEEE	Standard for Common Traffic Incident Management Message Sets for Use in Entities External to Centers	IEEE P1512.4		
Center-to-Center Standard	ds Group			
SDO	Standard Name	Document ID		
AASHTO/ITE/NEMA	Octet Encoding Rules (OER) Base Protocol	NTCIP 1102		
AASHTO/ITE/NEMA	Center-to-Center Naming Convention Specification	NTCIP 1104		
AASHTO/ITE/NEMA	Ethernet Subnetwork Profile	NTCIP 2104		
A A CUTO/ITE/NIEMA				

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Internet (TCP/IP and UDP/IP) Transport Profile

File Transfer Protocol (FTP) Application Profile

NTCIP 2202

NTCIP 2303

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID		
P Center-to-Center Standards Group				
SDO	Standard Name	Document ID		
AASHTO/ITE/NEMA	Application Profile for DATEX-ASN (AP-DATEX)	NTCIP 2304		
AASHTO/ITE/NEMA	Application Profile for XML Message Encoding and Transport in ITS Center-to-Center Communications (C2C XML)	NTCIP 2306		
Center-to-Field Standards Gr	oup			
SDO	Standard Name	Document ID		
AASHTO/ITE/NEMA	Octet Encoding Rules (OER) Base Protocol	NTCIP 1102		
AASHTO/ITE/NEMA	Transportation Management Protocols (TMP)	NTCIP 1103		
AASHTO/ITE/NEMA	Point to Multi-Point Protocol Using RS-232 Subnetwork Profile	NTCIP 2101		
AASHTO/ITE/NEMA	Point to Multi-Point Protocol Using FSK Modem Subnetwork Profile	NTCIP 2102		
AASHTO/ITE/NEMA	Point-to-Point Protocol Over RS-232 Subnetwork Profile	NTCIP 2103		
AASHTO/ITE/NEMA	Ethernet Subnetwork Profile	NTCIP 2104		
AASHTO/ITE/NEMA	Transportation Transport Profile	NTCIP 2201		
AASHTO/ITE/NEMA	Internet (TCP/IP and UDP/IP) Transport Profile	NTCIP 2202		
AASHTO/ITE/NEMA	Simple Transportation Management Framework (STMF) Application Profile	NTCIP 2301		
AASHTO/ITE/NEMA	Trivial File Transfer Protocol (TFTP) Application Profile	NTCIP 2302		
AASHTO/ITE/NEMA	File Transfer Protocol (FTP) Application Profile	NTCIP 2303		